Abstract

To provide a cellulose acylate film which exhibits excellent retardation values both in the film plane and along the direction perpendicular to the film plane, and undergoes less change in the retardation values by environmental humidity, and a polarizing plate using this film, a polarizing plate using the film, and a liquid crystal display undergoing less change in viewing angle characteristics, the cellulose acylate film satisfies formulae (I), (II), (V) and (VI), wherein Re(630) and Rth(630) is defined in the specification:

(I) $2.00 \leq DS2 + DS3 + DS6 \leq 3.00$

(II) $DS6 / (DS2 + DS3 + DS6) \geq 0.315$

(V) $46 \leq Re(630) \leq 200$

(VI) $70 \leq Rth(630) \leq 350$